

Inventors: Ken C. Richardson, Larry D. Richardson  
Invention: Anchor Assist, (Replacement Sheet 11/15/2003)  
**O/14**

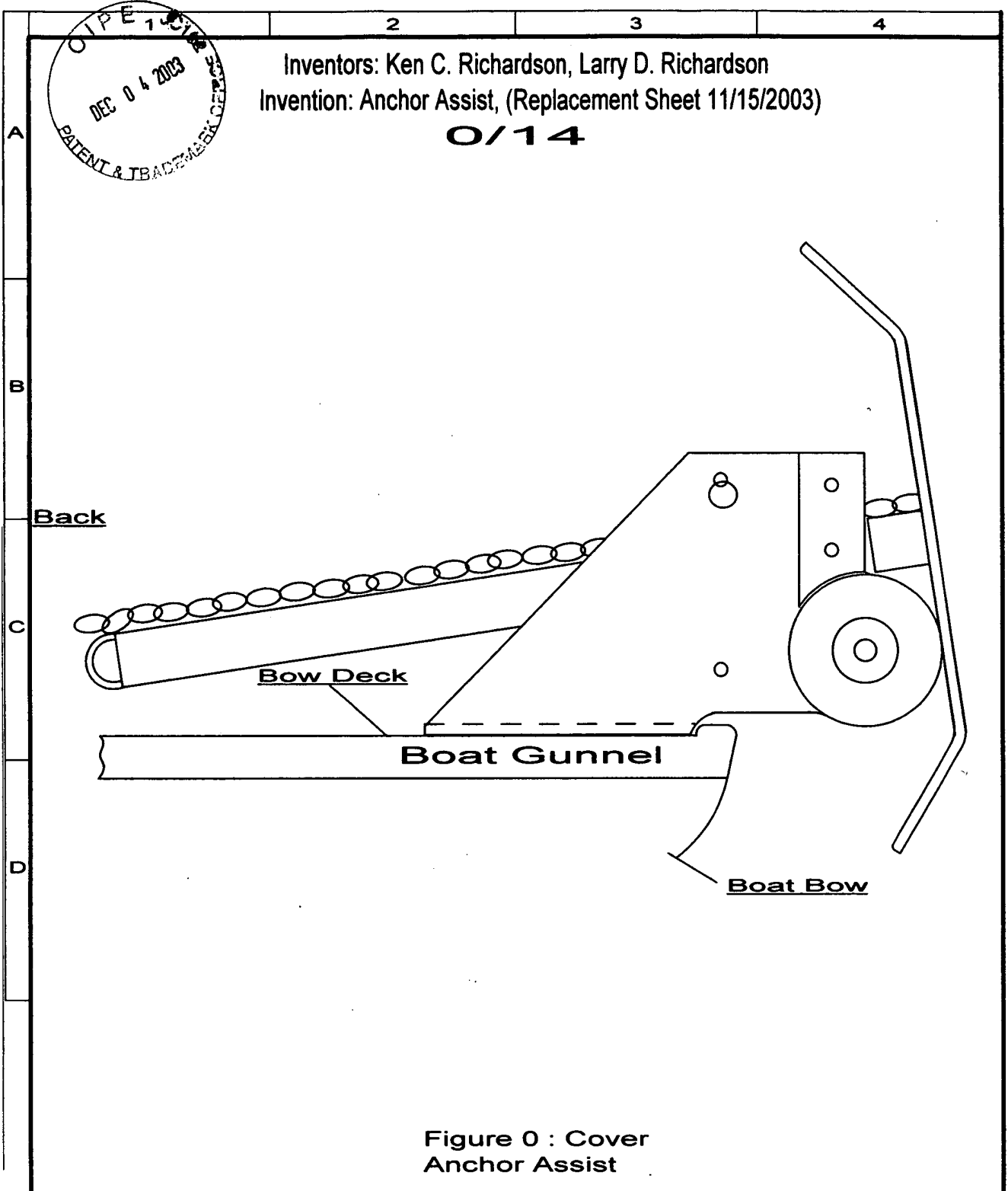


Figure 0 : Cover  
Anchor Assist

Application range				Perm. tolerance		Surface		Scale (3:1) N/A USPTO Spec		Weight .25" (1/4")			
Suggested Cover								Material					
								Raw part no. 5052 Aluminum, UMHW, S/S					
								Model no.					
					Date	Name		Designation <b>BWC- Big Water Company</b>  <b>Anchor Assist</b>					
					Editor	June 2002						LDR	
					Check	06/11/03							
					Stand.								
	Replacement	11/15/2003	R					Drawing number		Sheet			
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Stat.	Modification	Date	Nam	Origin CNC#18105. VT		Repl. f.: 06/11/03		Repl. by: 11/15/03					

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Rear

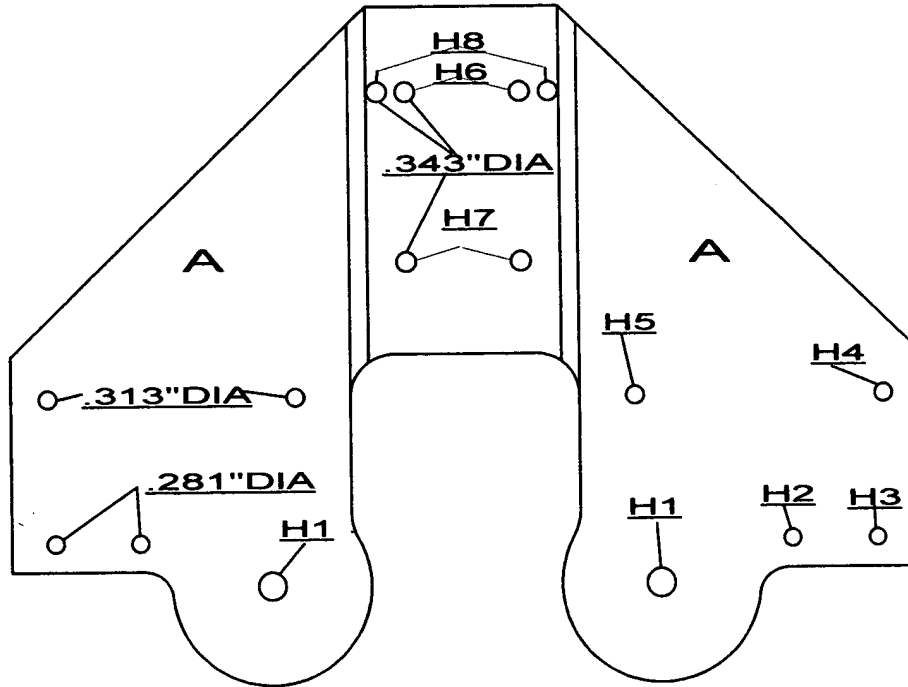


Figure 1 :  
 Plan View. Flat Pattern Layout

Application range				Perm. tolerance		Surface		Scale (3:1) N/A USPTO Spec		Weight .25" (1/4")		
Parts Identification								Material Raw part no. 5052 Aluminum Model no.				
				Date	Name	Designation <b>BWC- Big Water Company</b>  <b>Anchor Assist</b>						
				Editor	June 2002 LDR							
				Check	08/11/03							
				Stand.								
	Replacement	11/15/2003	R			Drawing number						Sheet
		08/11/03	LDR			10001-A						1 of 2
		04/18/03	LDR									Sh.
Stat.	Modification	Date	Nam	Origin CNC#18105. VT			Repl. f.: 08/11/03			Repl. by: 11/15/03		



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Top

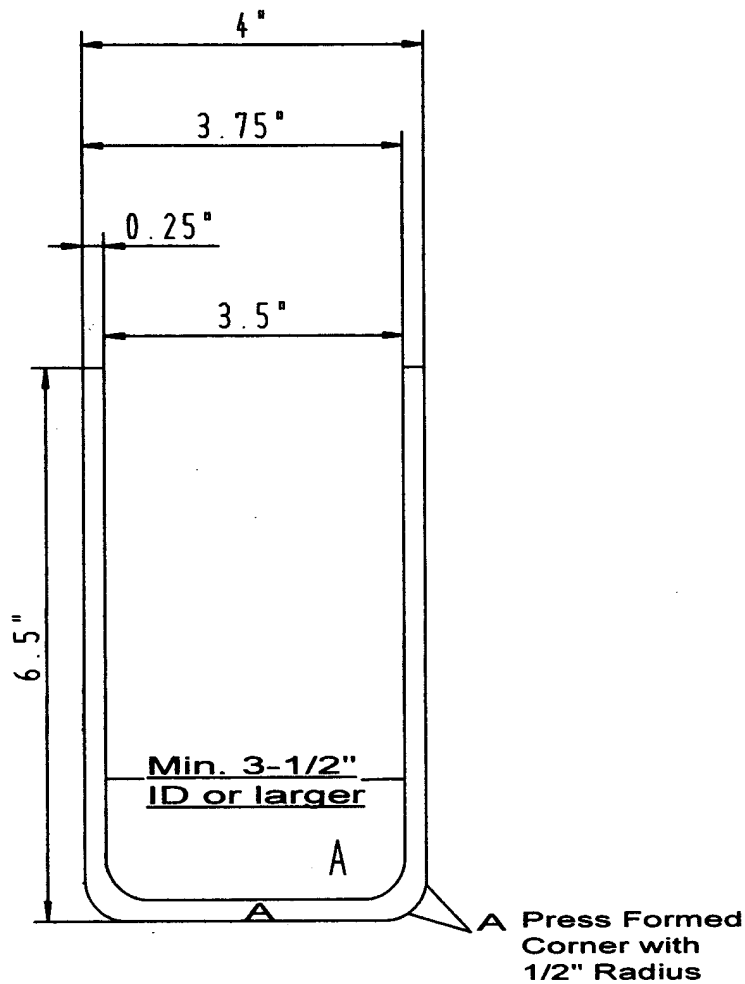
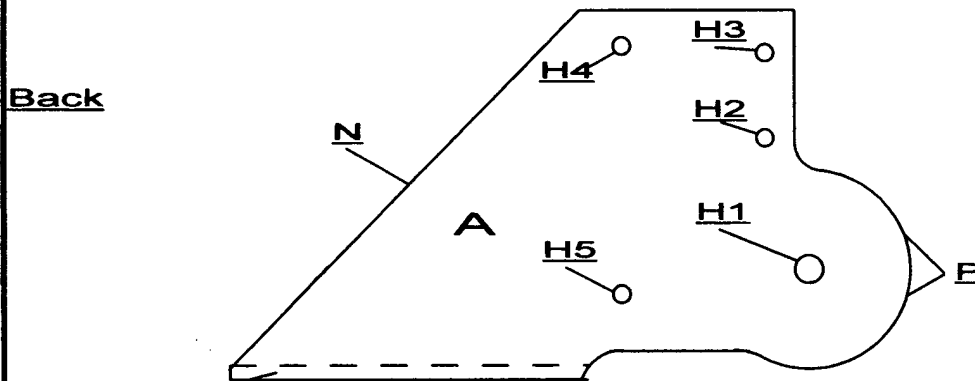


Figure 2 : With Dimensions  
 Elevation View Before Addition  
 of Welded Support Gusset

Application range				Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification With Dimensions						Material	
						Raw part no.	Aluminum
						Model no.	
				Date	Name	Designation <b>BWC- Big Water Company Anchor Assist</b>	
				Editor June 2002	LDR		
				Check 06/11/03			
				Stand.			
						Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595	
	Replacement	11/15/2003	LDR			Drawing number  <b>10002-A</b>	Sheet 1 of 1
		06/11/03	LDR				
		04/16/03	LDR				Sh.
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Formed  
Corner  
1/2"R.  
@ 90

**Figure 3 :**  
**Elevation View. Right Side**

Application range				Perm. tolerance		Surface		Scale (3:1) N/A USPTO Spec		Weight .25" (1/4")		
<b>Parts Identification</b>								Material				
								Raw part no. 5052 Aluminum				
								Model no.				
				Date		Name		Designation <b>BWC- Big Water Company</b>				
				Editor June 2002		LDR		<b>Anchor Assist</b>				
				Check 06/11/03								
				Stand.								
Replacement				11/15/2003		RDR		Drawing number				Sheet
				06/11/03		LDR		<b>10003-A</b>				1 of 2
				04/16/03		LDR						Sh.
Stat.	Modification	Date	Nam	Origin CNC#18105. VT				Repl. f.: 06/11/03		Repl. by: 11/15/03		

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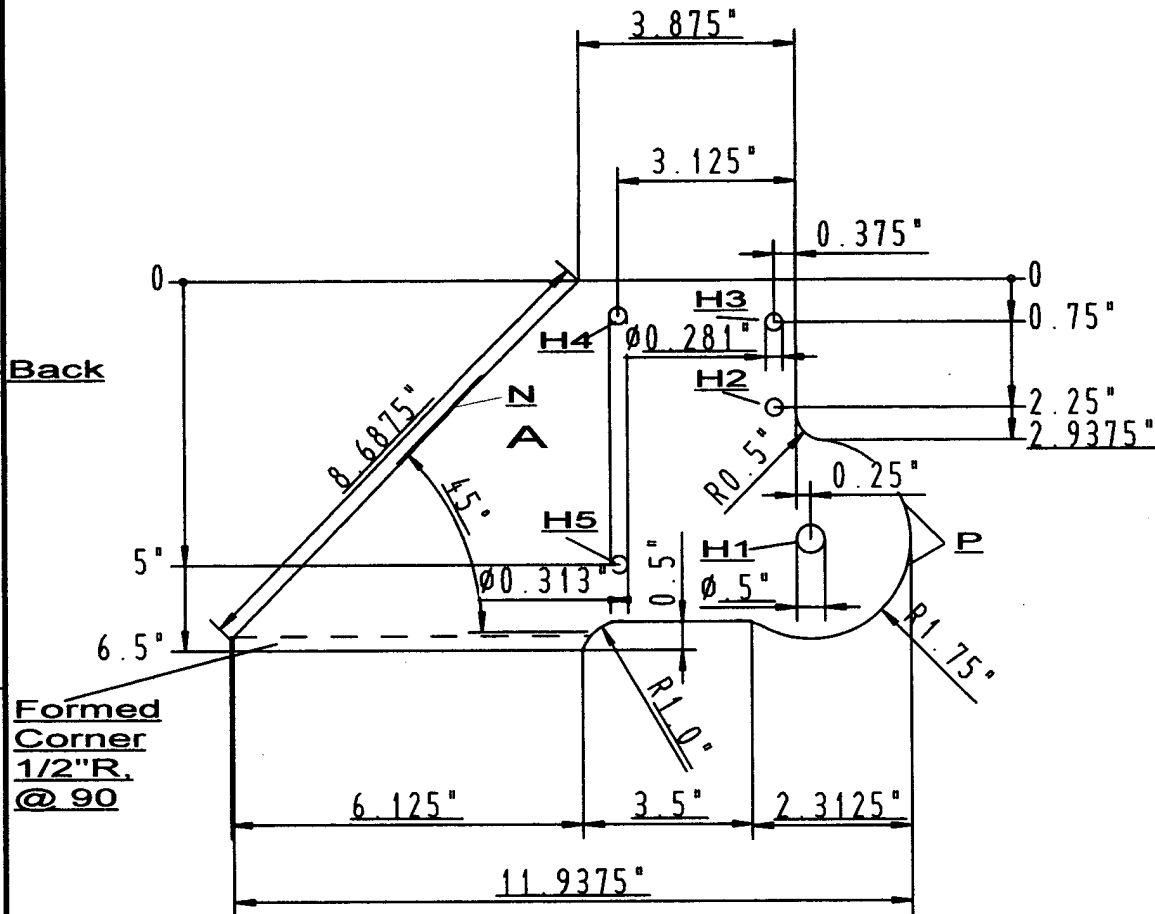


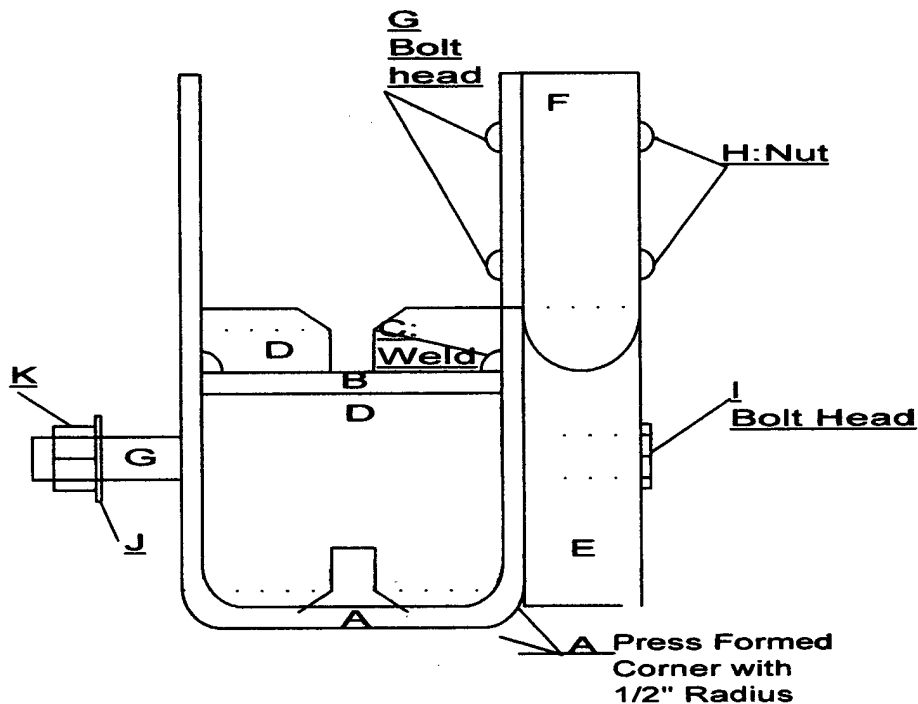
Figure 3 : With Dimensions  
Elevation View. Right Side

Application range				Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
Parts Identification With Dimensions						Material	
						Raw part no.	5052 Aluminum
						Model no.	
				Date	Name	Designation <b>BWC- Big Water Company</b>  <b>Anchor Assist</b>	
				Editor	June 2002 LDR		
				Check	06/11/03		
				Stand.			
	Replacement	11/15/2003	DDR				Sheet
		06/11/03	LDR				2 of 2
		04/16/03	LDR				Sh.
Stat.	Modification	Date	Nam	Origin	CNC#18105. VT	Repl. f.: 06/11/03	Repl. by: 11/15/03

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Top



Duplicated as mirror  
on left side for parts  
E, F, G, & H

Rear View

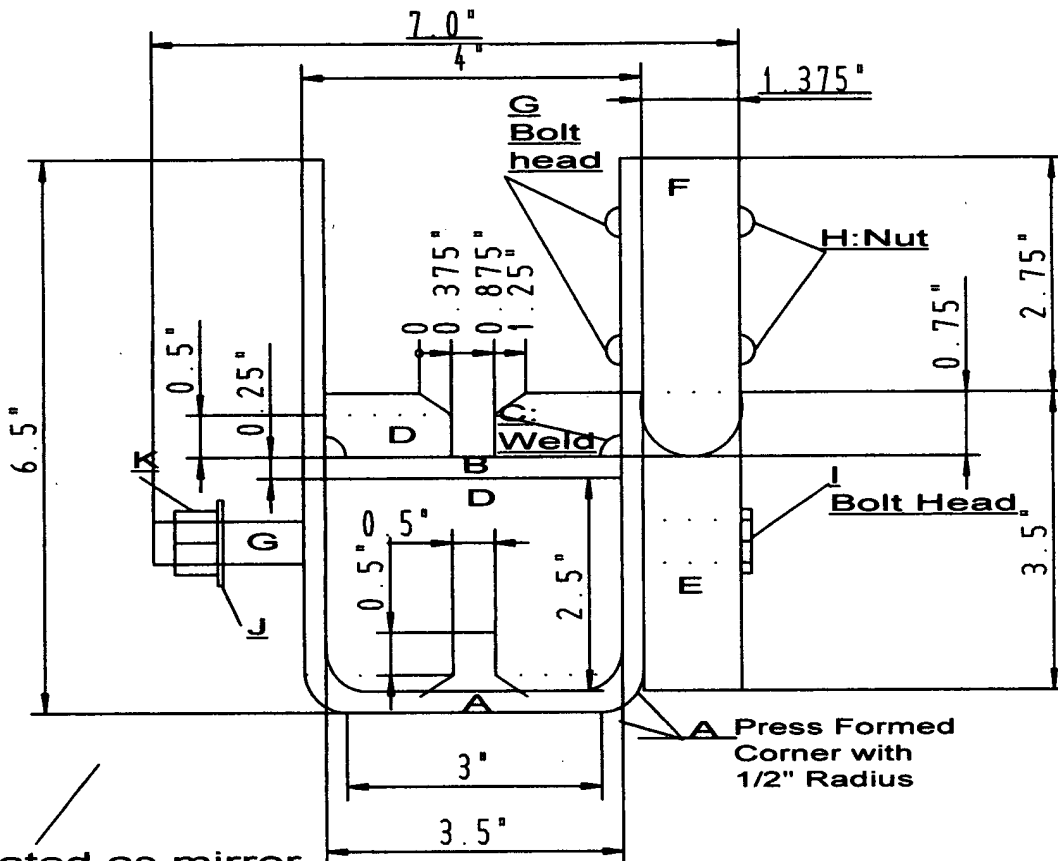
Figure 4 :  
Elevation View After Addition  
of Welded Support Gusset.  
5"x3.5"x1/4" &UMHW Parts

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification								Material			
								Raw part no. Aluminum, UMW, S/S			
								Model no.			
					Date	Name		Designation			
				Editor	June 2002	LDR		BWC- Big Water Company			
				Check	08/11/03			Anchor Assist			
				Stand.				Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
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		04/16/03	LDR							Sh.	
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Top



Duplicated as mirror  
 on left side for parts  
 E, F, G, & H

Rear View

Figure 4 : With Dimensions  
 Elevation View After Addition  
 of Welded Support Gusset.  
 5"x3.5"x1/4" & UMHW Parts

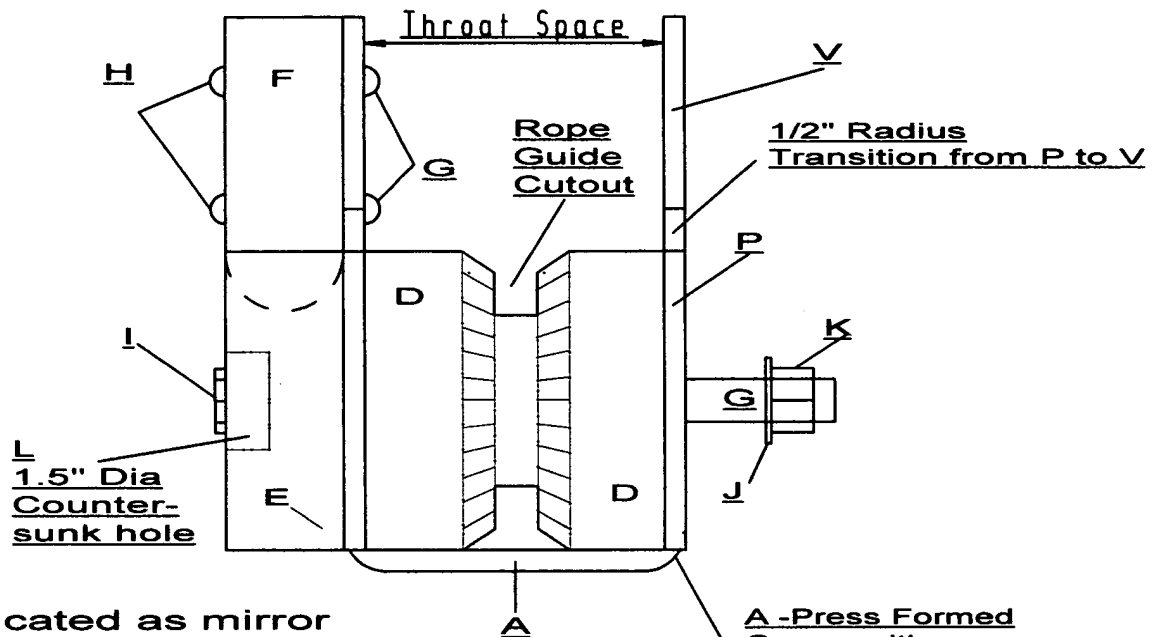
Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification With Dimensions								Material			
								Raw part no. Aluminum, UMHW, S/S			
								Model no.			
					Date	Name		Designation			
				Editor	June 2002	LDR		BWC- Big Water Company Anchor Assist  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
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				Stand.							
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Top



Duplicated as mirror  
on opposite side for  
parts E, F, G, & H

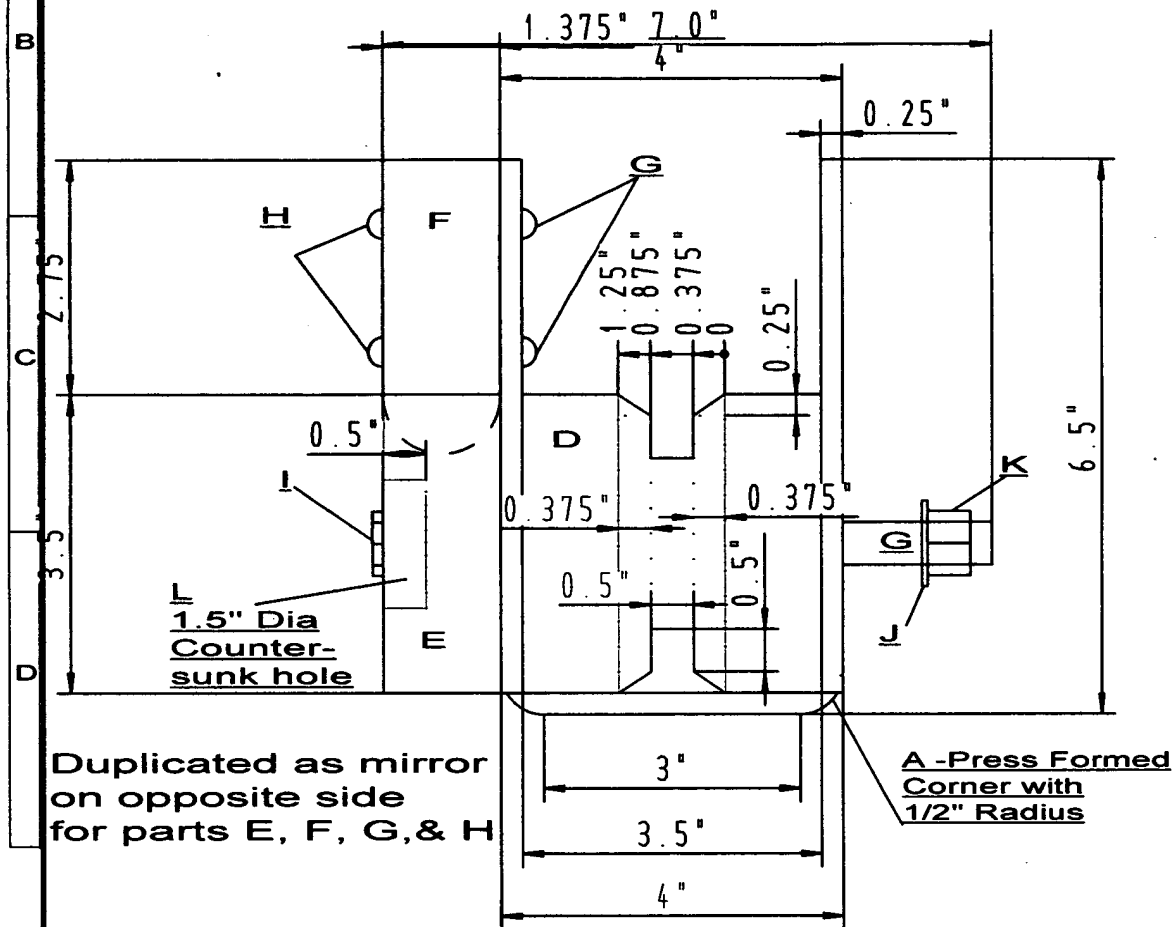
Front View  
Figure 5 :  
Elevation View After Addition  
of Center Roller 3.5" x 3.5"  
UMHW Cylinder.

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification								Material Raw part no. Aluminum, UMHW, S/S Model no.			
					Date	Name		Designation <b>BWC- Big Water Company Anchor Assist</b>  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
				Editor	June 2002LDR						
				Check	06/11/03						
				Stand.							
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		06/11/03	LDR					10005-A		1 of 2	
		04/16/03	LDR							Sh.	
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Top



Front View

Figure 5 : With Dimensions  
Elevation View After Addition  
of Center Roller 3.5" x 3.5"  
UMHW Cylinder.

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification With Dimensions								Material			
								Raw part no. Aluminum, UMHW, S/S			
								Model no.			
				Date	Name		Designation <b>BWC- Big Water Company Anchor Assist</b>  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595				
				Editor	June 2002 LDR						
				Check	06/11/03						
				Stand.							
	Replacement	11/15/2003	DR					Drawing number  <b>10005-B</b>		Sheet	
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Stat.	Modification	Date	Nam	Origin		Repl. f.: 06/11/03		Repl. by: 11/15/03			

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Front

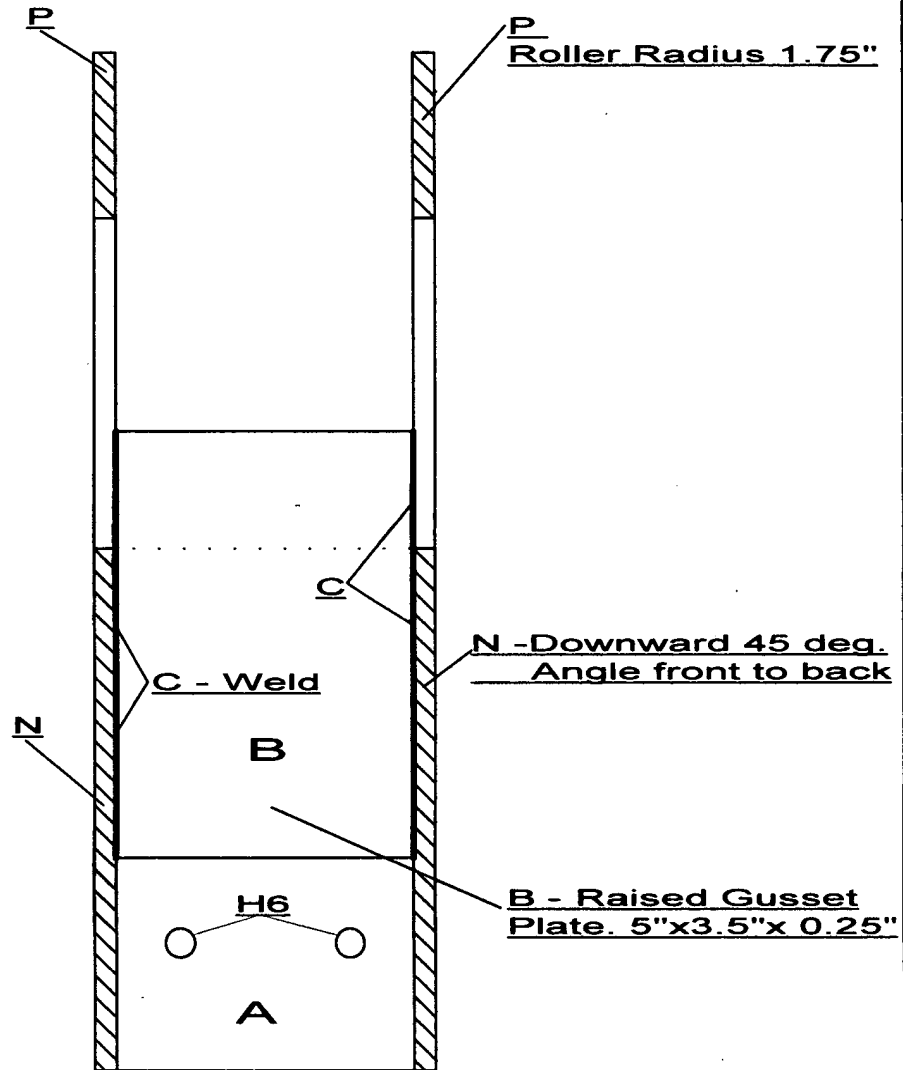
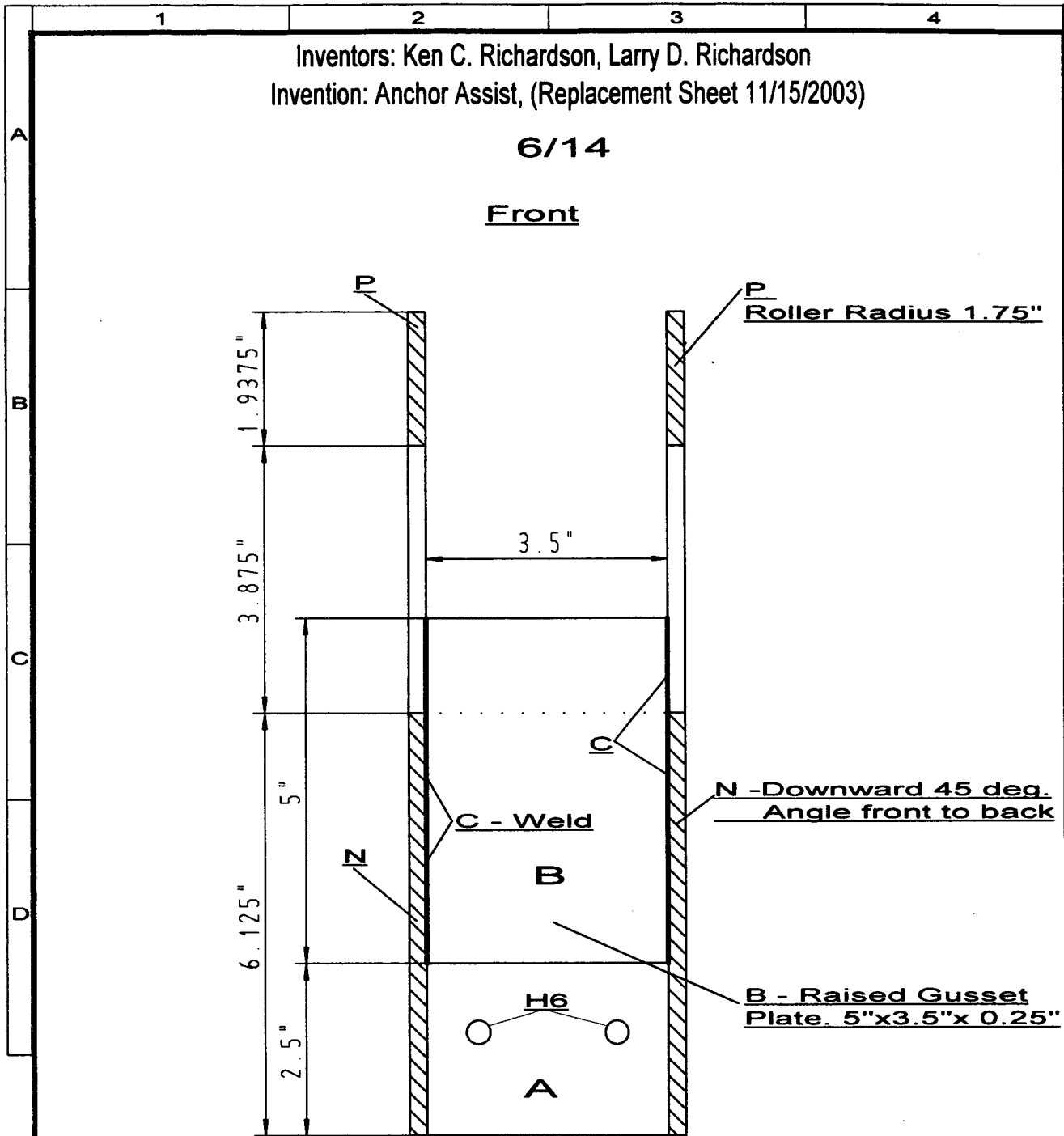


Figure 6  
 Plan View - Top

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"		
Parts Identification								Material Raw part no. Aluminum Model no.				
					Date	Name		Designation <b>BWC- Big Water Company Anchor Assist</b>  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595				
				Editor	June 2002LDR							
				Check	06/11/03							
				Stand.								
	Replacement	11/15/2003	RDR					Drawing number  <b>30006-A</b>		Sheet		
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		04/16/03	LDR							Sh.		
Stat.	Modification	Date	Nam	Origin					Repl. f.: 06/11/03		Repl. by: 11/15/03	



Application range				Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification With Dimensions						Material	
						Raw part no.	Aluminum
						Model no.	
				Date	Name	Designation <b>BWC- Big Water Company Anchor Assist</b>  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595	
				Editor June 2002	LDR		
				Check 06/11/03			
				Stand.			
	Replacement	11/15/2003	DR				Drawing number
		06/11/03	LDR				<b>30006-B</b>
		04/16/03	LDR				Sheet 2 of 2
Stat.	Modification	Date	Nam	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03	Sh.

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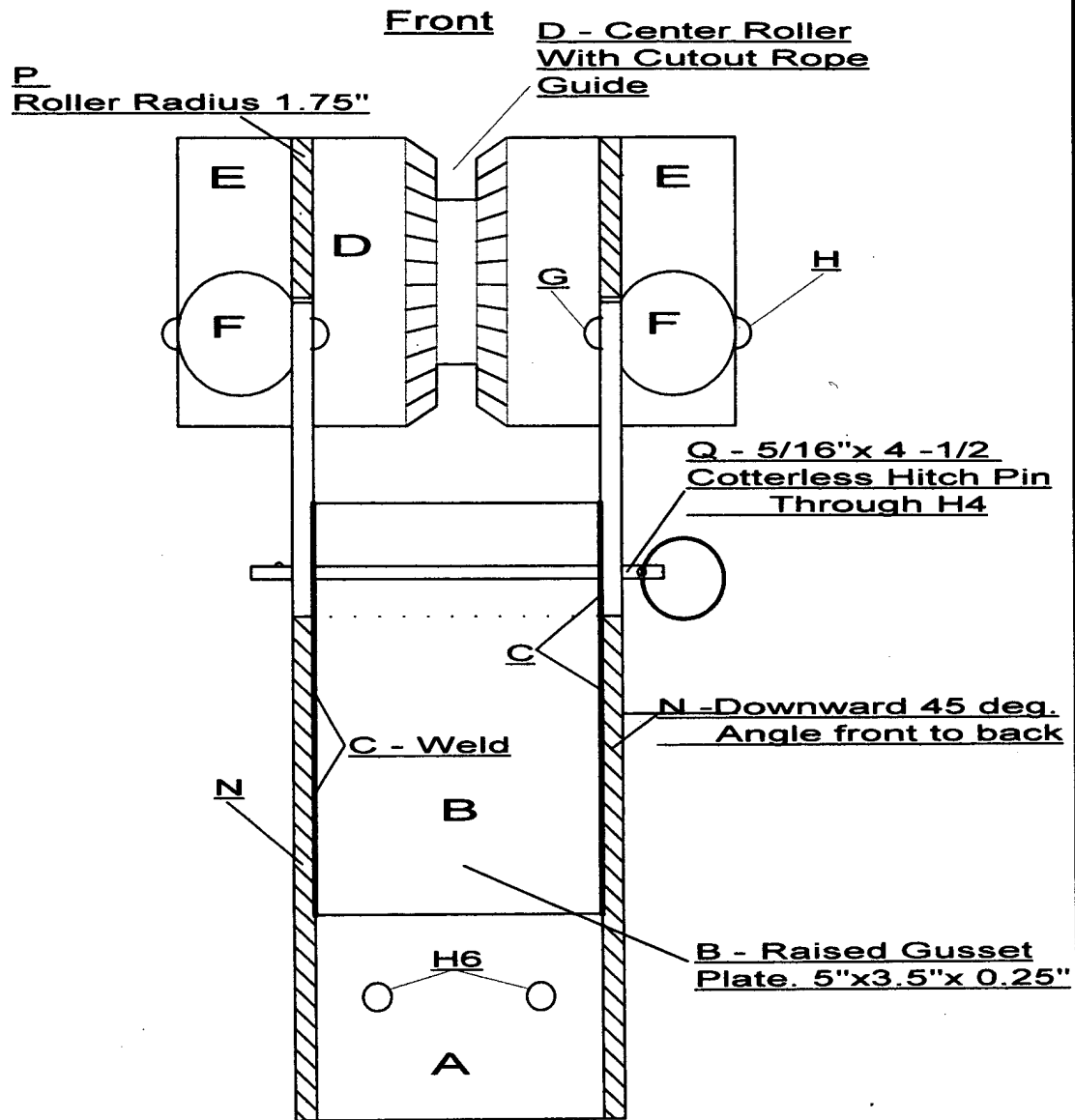


Figure 7  
 Plan View - Top

Application range		Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification						Material		Raw part no. Aluminum, UMW, S/S	
						Model no.			
						Designation		BWC- Big Water Company	
								Anchor Assist	
								Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595	
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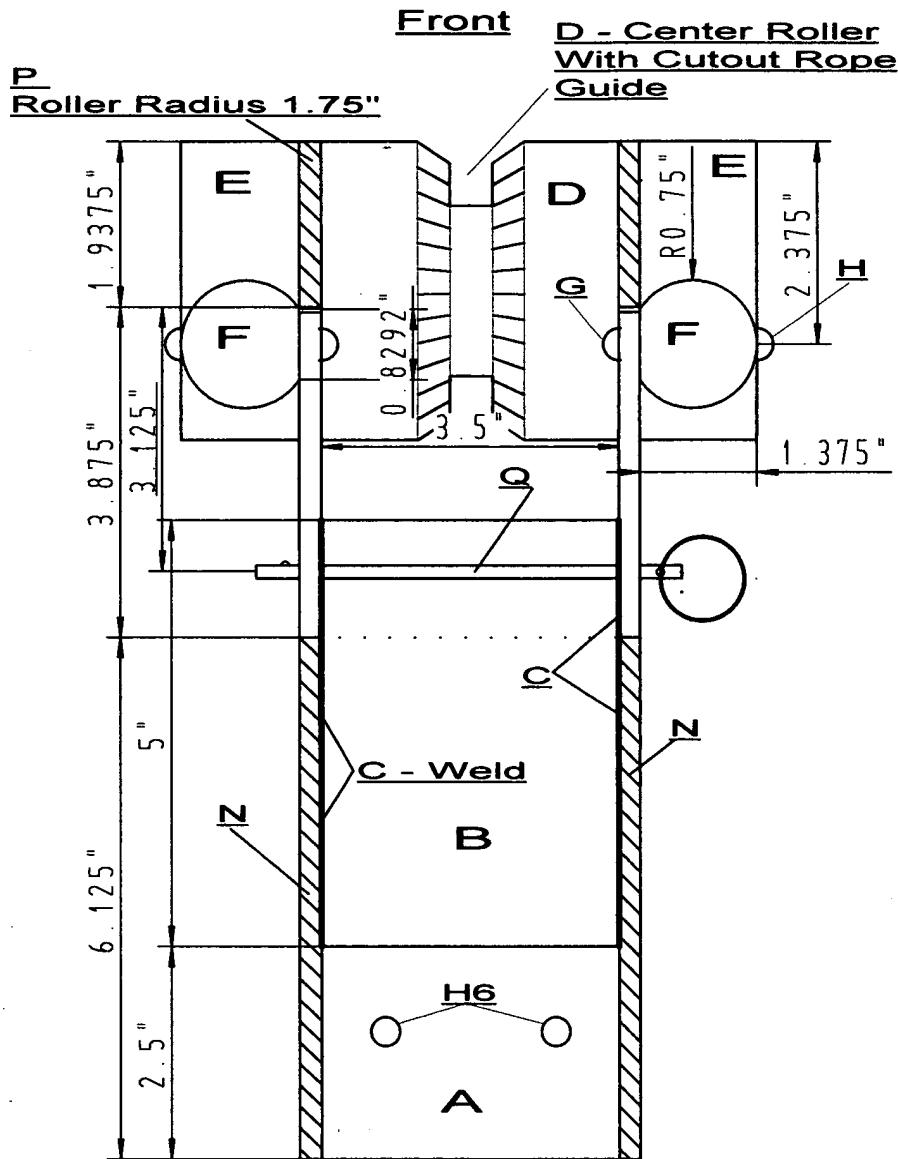


Figure 6 : With Dimensions  
 Plan View - Top

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification With Dimensions								Material			
								Raw part no. Aluminum, UMHV, S/S			
								Model no.			
					Date	Name		Designation			
					Editor	June 2002 LDR		BWC- Big Water Company Anchor Assist  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
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					Stand.						
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Stat.	Modification	Date	Nam	Origin				Repl. f.: 06/11/03		Repl. by: 11/15/03	

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Figure 8, Part E  
 Side Elevation

L - counter sunk  
 hole, 1/2" deep

UMHW  
 Plastic

M - Spindle hole

Figure 8, Part D  
 Side Elevation

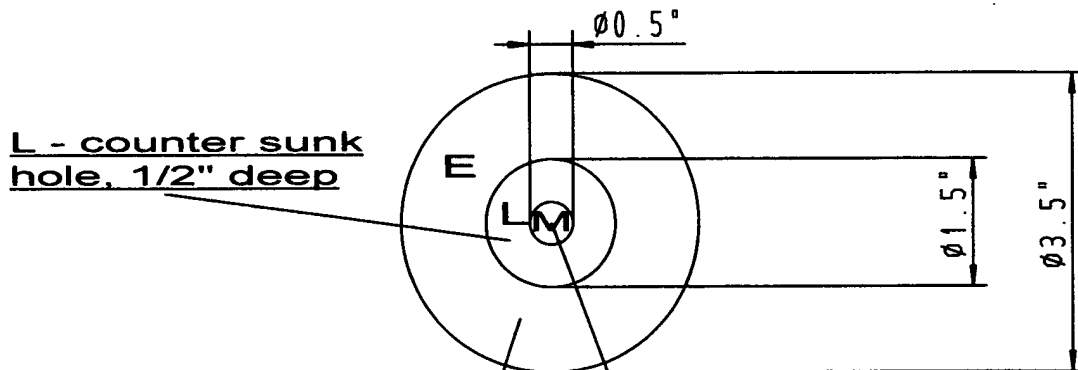
Figure 8 :  
 Elevation Views

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight 3.5"	
<b>Parts Identification</b>								Material		UMHW White	
								Raw part no.		UMHW White	
								Model no.			
				Date	Name	Designation					
				Editor	June 2002	LDR					
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				Stand.							
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Figure 8, Part E  
 Side Elevation



**UMHW  
 Plastic**

**M : Spindle hole**

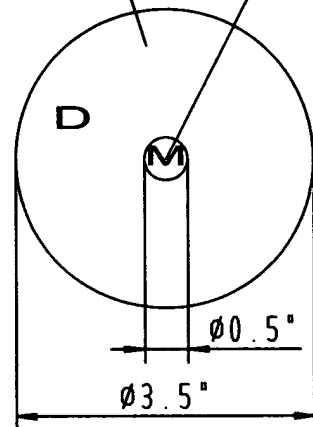


Figure 8, Part D  
 Side Elevation

Figure 8 : With Dimensions  
 Elevation Views

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight 3.5"	
Parts Identification With Dimensions								Material			
								Raw part no. UMHW White			
								Model no.			
					Date	Name		Designation BWC- Big Water Company Anchor Assist  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
				Editor	June 2002LDR						
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				Stand.							
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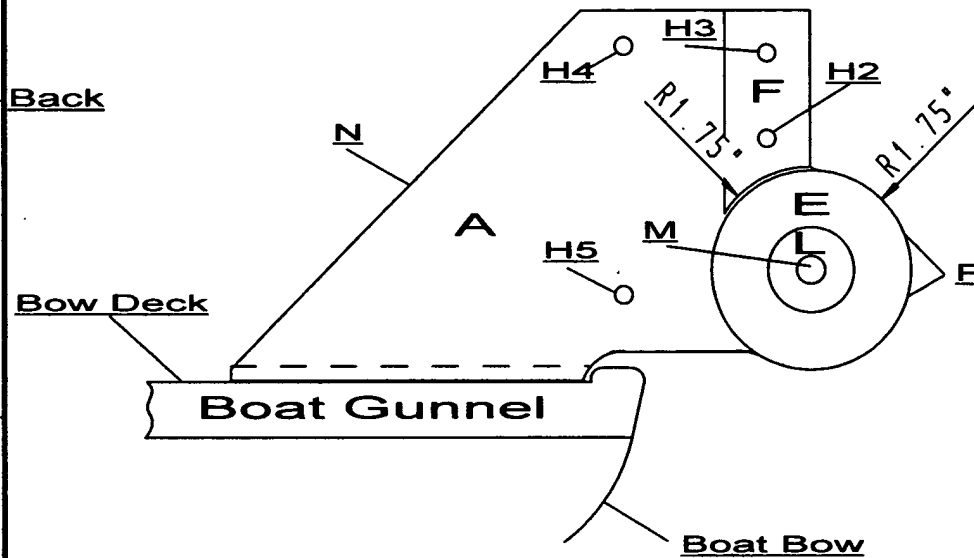
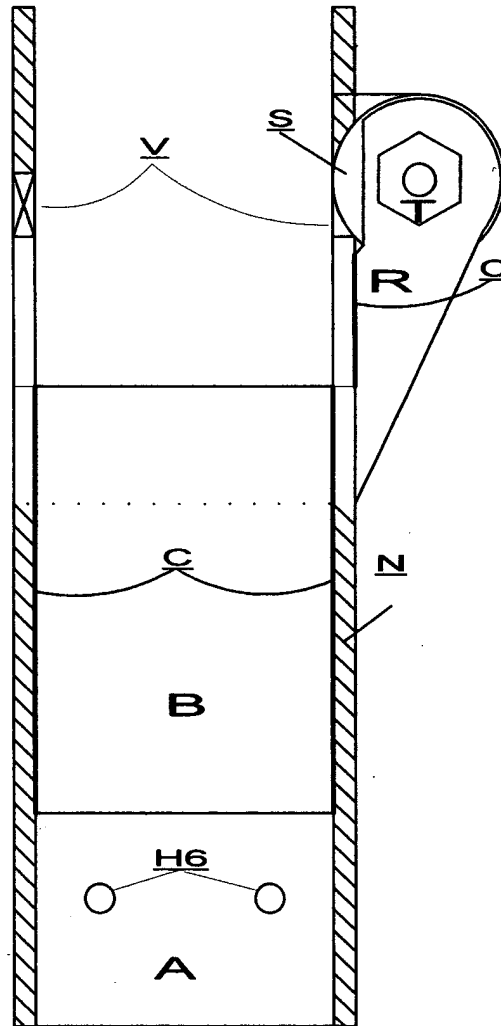


Figure 3 :  
 Relationship-Upper/Lower Guide  
 & Bow Mount Overhang.  
 Elevation View. Right Side

Application range				Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
Parts Identification & Radius dimensioning						Material	
						Raw part no.	5052 Aluminum, UMHV, S/S
						Model no.	
				Date	Name	Designation <b>BWC- Big Water Company</b>  <b>Anchor Assist</b>	
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Stat.	Modification	Date	Nam	Origin	CNC#18105. VT	Repl. f.: 06/11/03	Repl. by: 11/15/03

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**Figure 10**  
**Plan View**

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
<b>Parts Identification</b>								Material		Aluminum,UMHW,S/S	
								Raw part no.			
								Model no.			
				Date		Name		Designation			
				Editor		June 2002LDR		<b>BWC- Big Water Company</b> <b>Anchor Assist</b> Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
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				Stand.							
Replacement				11/15/2003R				Drawing number		Sheet	
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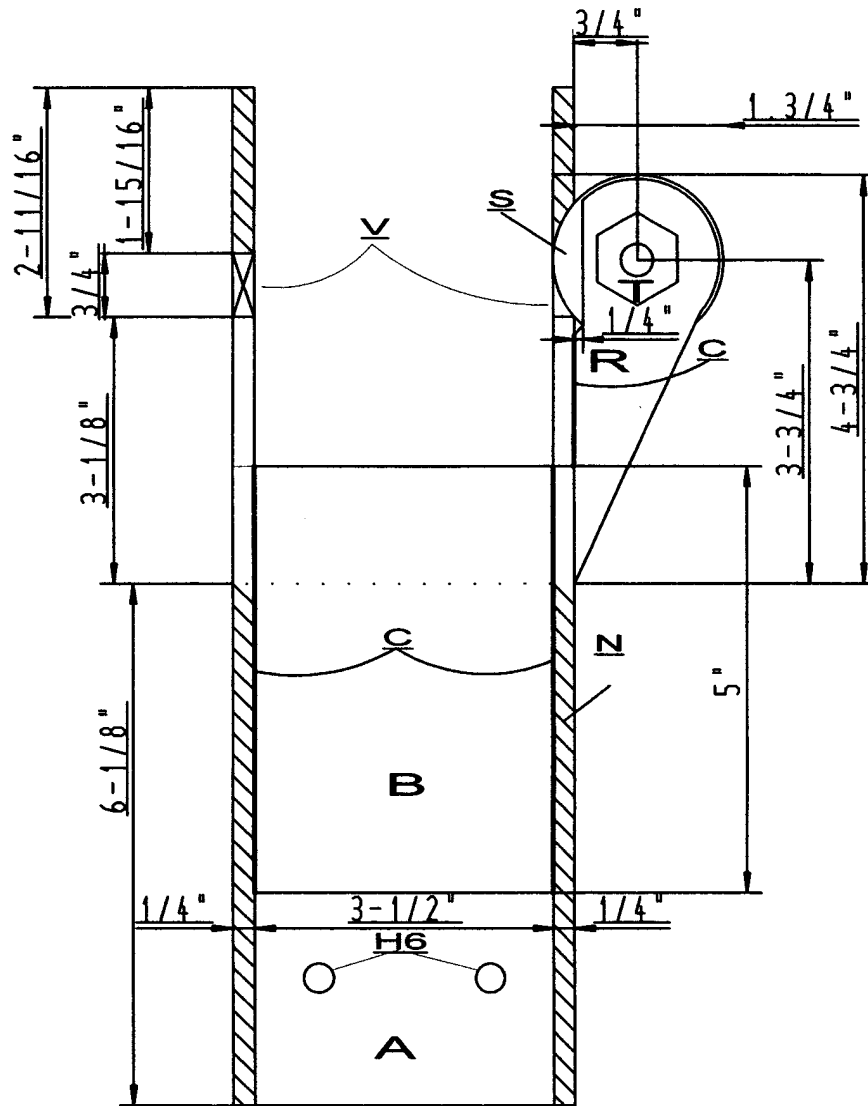


Figure 10 : With Dimensions  
 Plan View

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification With Dimensions								Material Raw part no. Aluminum,UMHW,S/S Model no.			
					Date	Name		Designation <b>BWC- Big Water Company Anchor Assist</b>  Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595			
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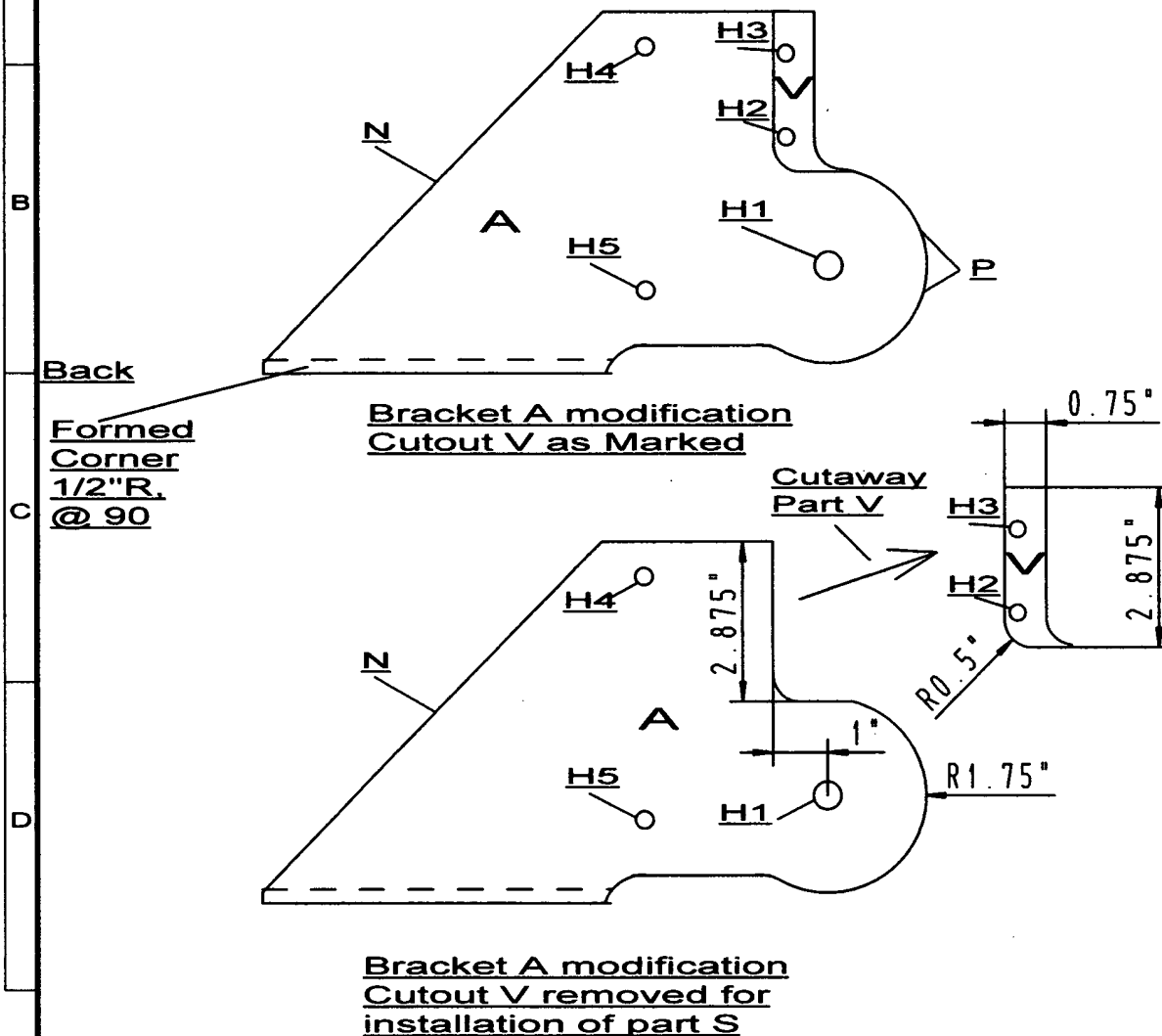


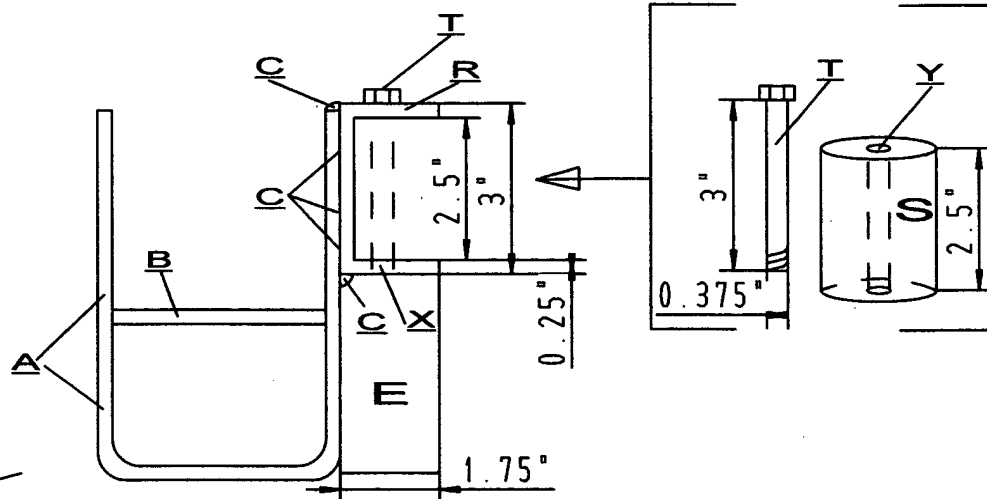
Figure 11: With Dimensions  
Elevation View. Right Side

Application range				Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
Parts Identification With Dimensions						Material	
						Raw part no.	5052 Aluminum
						Model no.	
				Date	Name	Designation <b>BWC- Big Water Company</b>  <b>Anchor Assist</b>	
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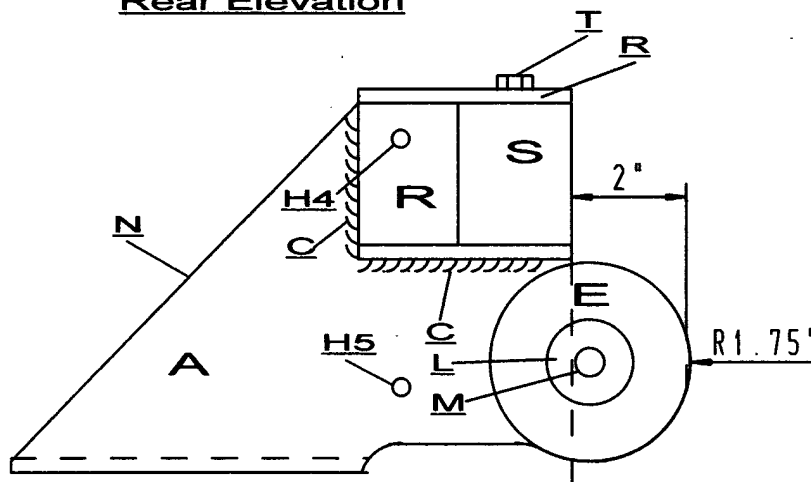
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**Bracket A modification**  
**Rear Elevation**



**Bracket A modification**  
**Bracket R, Roller S**  
**Side Elevation**

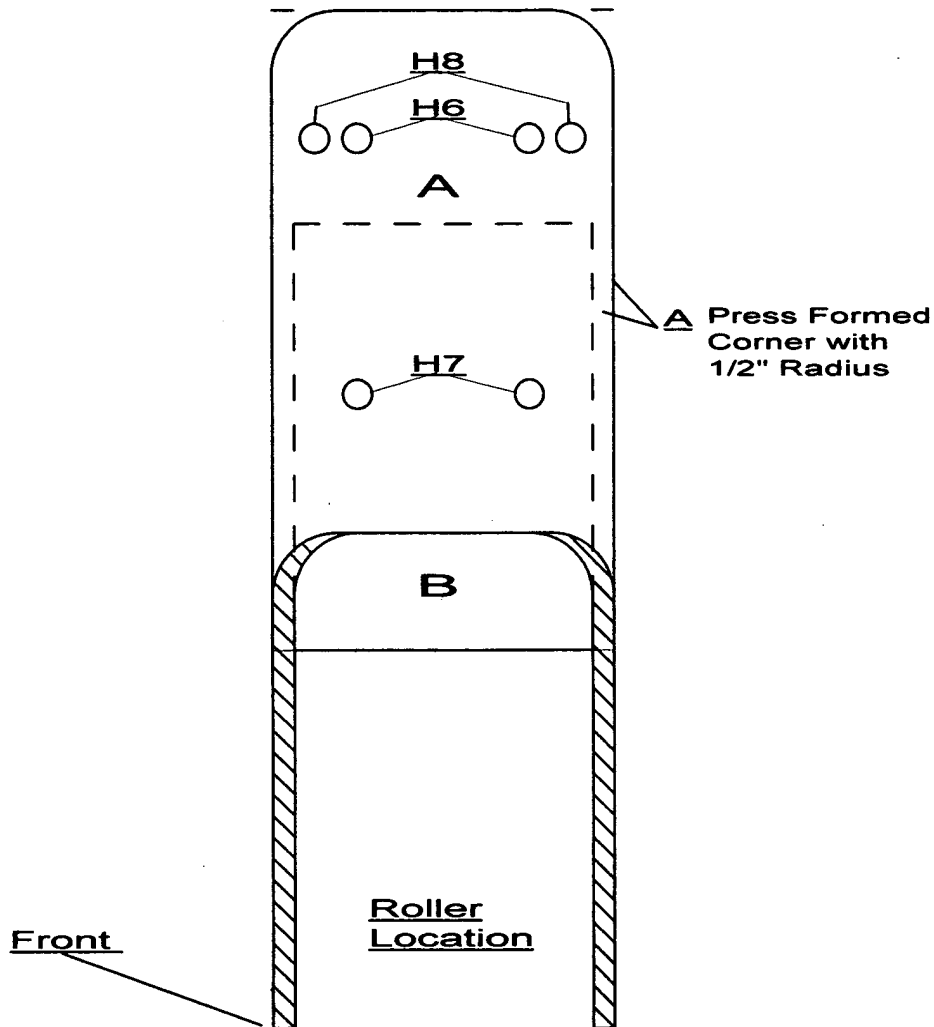
**Figure 12: With Dimensions**  
**Elevation View**

Application range <b>Parts Identification</b> With Dimensions				Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
						Material	
						Raw part no.	5052 Aluminum,UMHW,S/S
						Model no.	
				Date	Name	<b>Designation</b> <b>BWC- Big Water Company</b>  <b>Anchor Assist</b>	
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		06/11/03LDR					
		04/16/03LDR					
Stat.	Modification	Date	Nam	Origin	CNC#18105. VT	Repl. f.: 06/11/03	Repl. by: 11/15/03
						<b>Sheet</b> 1 of 1 Sh.	

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Rear



**Figure 13 :**  
**Bottom Baseplate View**

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
<b>Parts Identification</b>								Material		Aluminum	
								Raw part no.			
								Model no.			
				Date	Name	Designation					
				Editor	June 2002 LDR	<b>BWC- Big Water Company Anchor Assist</b>					
				Check	06/11/03						
				Stand.							
						Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595					
	Replacement	11/15/2003	DR			Drawing number				Sheet	
		06/11/03	LDR			<b>10013-A</b>				1 of 2	
		04/16/03	LDR							Sh.	
Stat.	Modification	Date	Nam	Origin		Repl. f.: 06/11/03				Repl. by: 11/15/03	

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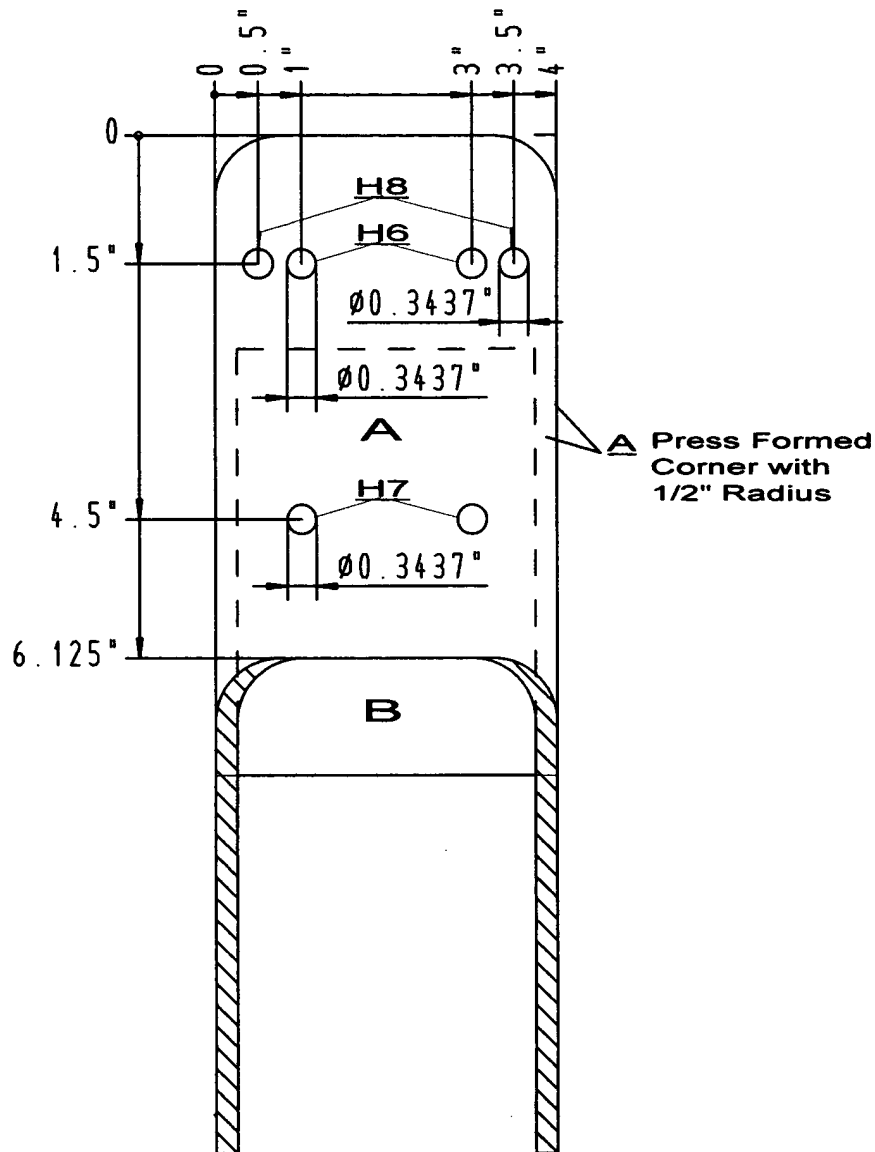


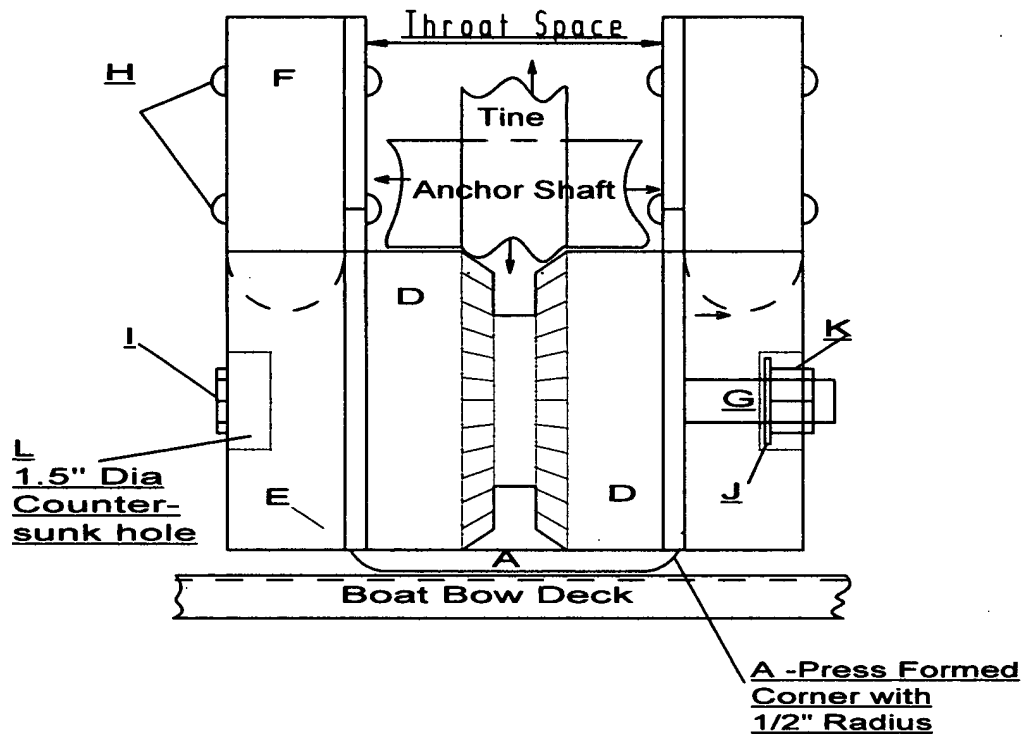
Figure 13 :  
 Bottom Baseplate View

Application range				Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
<b>Parts Identification</b>						Material	
<b>No Dimensions</b>						Raw part no.	Aluminum
						Model no.	
				Date	Name	Designation <b>BWC- Big Water Company Anchor Assist</b>	
				Editor	June 2002 LDR		
				Check	06/11/03		
				Stand.			
						Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595	
	Replacement	11/15/2003	DR			Drawing number	Sheet
		06/11/03	LDR			<b>10013-B</b>	2 of 2
		04/16/03	LDR				Sh.
Stat.	Modification	Date	Nam	Origin		Repl. f.: 06/11/03	Repl. by: 11/15/03

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Top



Front View

Figure 14 :  
 Front View Showing Boat  
 Deck and Anchor relation

Application range				Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec		Weight .25"	
Parts Identification								Material Raw part no. Aluminum, UMHW, S/S Model no.			
					Date	Name		Designation			
				Editor	June 2002		LDR		BWC- Big Water Company		
				Check	06/11/03				Anchor Assist		
				Stand.					Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595		
	Replacement	11/15/2003	LDR					Drawing number		Sheet	
		06/11/03	LDR					10014-A		1 of 1	
		04/16/03	LDR							Sh.	
Stat.	Modification	Date	Num	Origin	Repl. f.: 06/11/03				Repl. by: 11/15/03		